



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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June 30, 2003

TO: Minerals File

FROM: Paul Baker, Senior Reclamation Biologist 

RE: Site Inspection, U. S. Magnesium Corporation, Rowley/Stansbury Operation, M/045/008, Tooele County, Utah

Date and Time of Inspection: June 10, 2003, 9:00 a.m. to 12:00 p.m.
Conditions: Mostly clear, 80's
Participants: Dan Tuttle, Don Silva, and Ron Hale, U. S. Magnesium; Wayne Hedberg, Mary Ann Wright, and Paul Baker, DOGM

Purpose of Inspection:

We wanted to retake GPS readings in the oolitic sands disturbance on the north and west of the plant. In addition, there are parts of the oolitic sands areas where the Division previously agreed no reclamation would be required, and we wanted to map as many of these areas as possible.

Observations:

We drove near the perimeter of the oolitic sands disturbance and collected GPS data. We also drove around some areas within this disturbance where the Division previously agreed no additional revegetation work was needed. These areas consist mostly of depressions where there is already some natural vegetation and where the Division feels the potential for revegetation success is fairly low because of the soil salt content. I also took a GPS reading on a survey marker so we could more accurately overlay the map created from this data with data collected last April.

We tried to include most of the areas where it was practical to drive, but we were not always exactly on the boundary between disturbed and undisturbed areas. There were some areas east of the main road that appeared to have been disturbed but that were not included in the GPS measurements. There were also some depressions within the oolitic sands disturbance where we did not collect GPS data because they were either too small or the terrain was too rough for us to drive around them.

Conclusions and Recommendations:

The data we gathered is being use in combination with data gathered last April to estimate the number of acres where various reclamation treatments need to be implemented. This is part of a bond forfeiture agreement toward which the Division and the operator have been working.

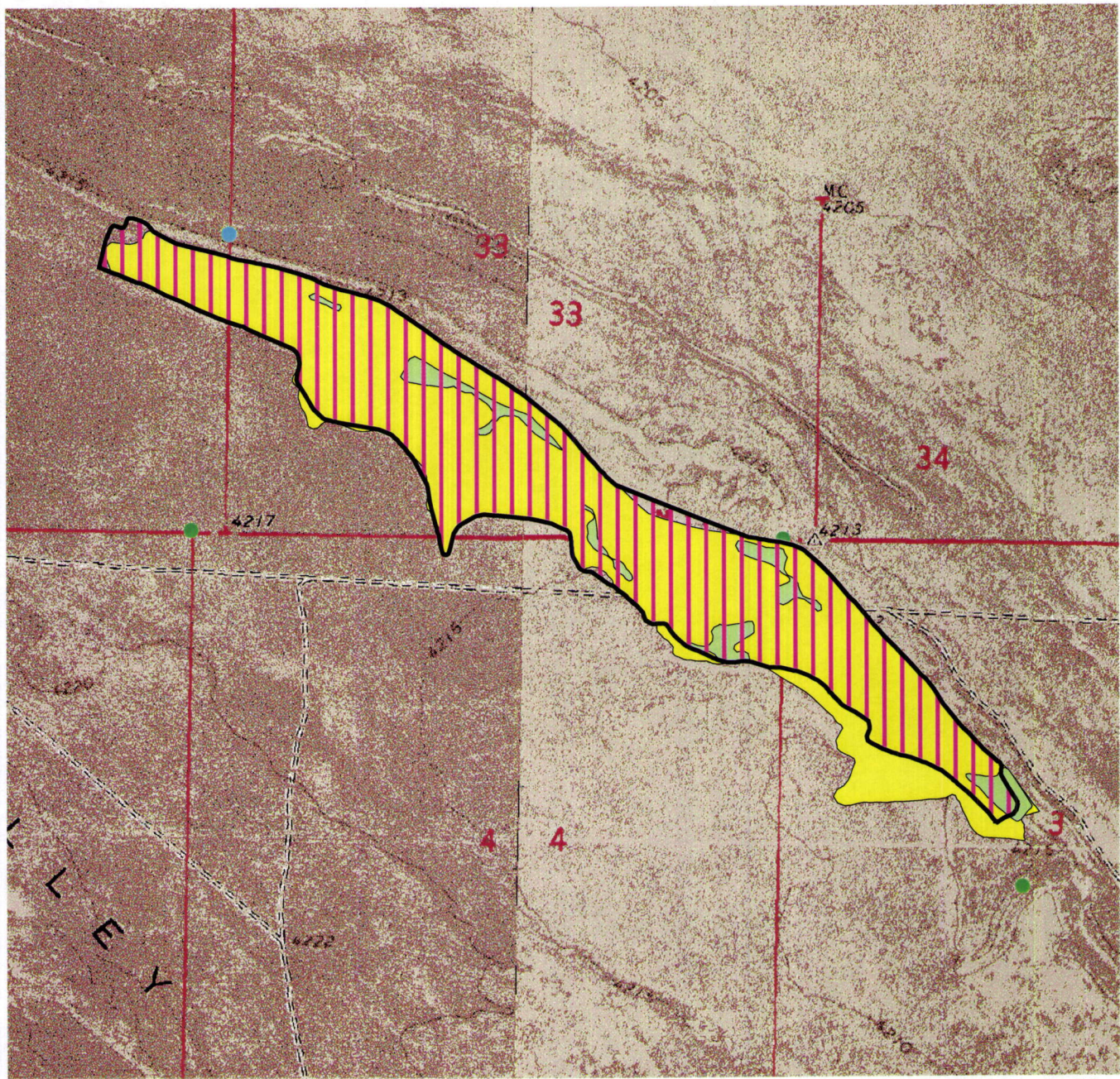
The map attached to this report shows the total oolitic sands area we mapped, the small areas within the larger area where reclamation is not needed, and the area that was mapped last April.

jb

Attachment: GPS map






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U. S. Magnesium, Stansbury Rowley Mine M/045/008



2000 0 2000 4000 Feet

North Oolitic Sands Area

-  April 1, 2003, GPS 177.27 acres
-  Depressions 13.18 acres
-  June 10, 2003, GPS 181.42 acres
-  Survey Point
-  Survey Points

Map created Jun 16, 2003, from GPS data gathered April 1 and 11 and June 10, 2003, by Paul Baker and Lynn Kunzler. Disturbances are in portions of T. 3 N., R. 8 W., Sections 32 and 33; and T. 2 N., R. 8 W., Sections 3 and 4, SLBM. Badger Island NW and Craner Peak Quads.



This product may not meet DOGM standards for accuracy and content because different data sources and input scales may cause some misalignment of data layers.

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